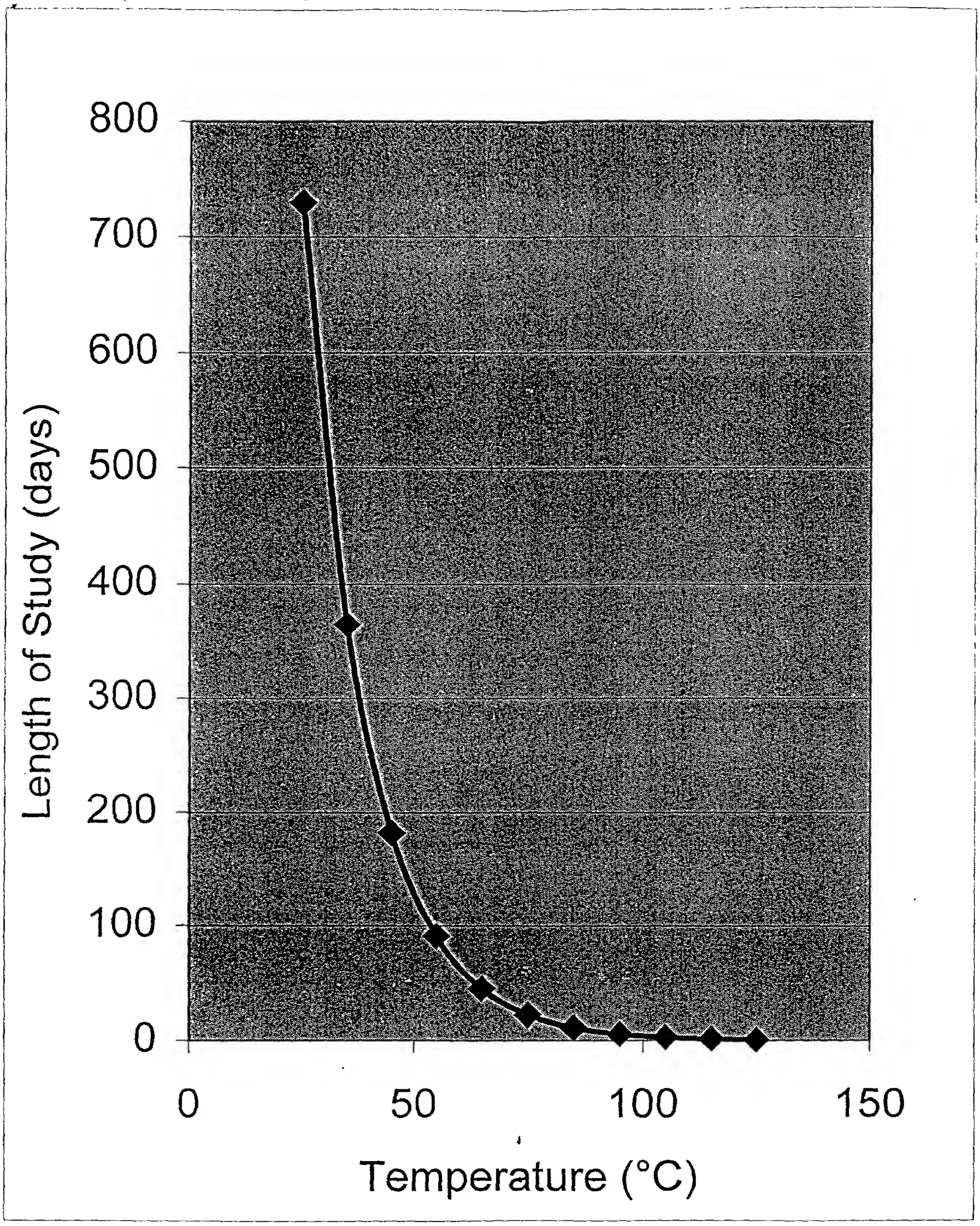


Figure 1 Temperature effects on relative rates and length of degradation studies required.

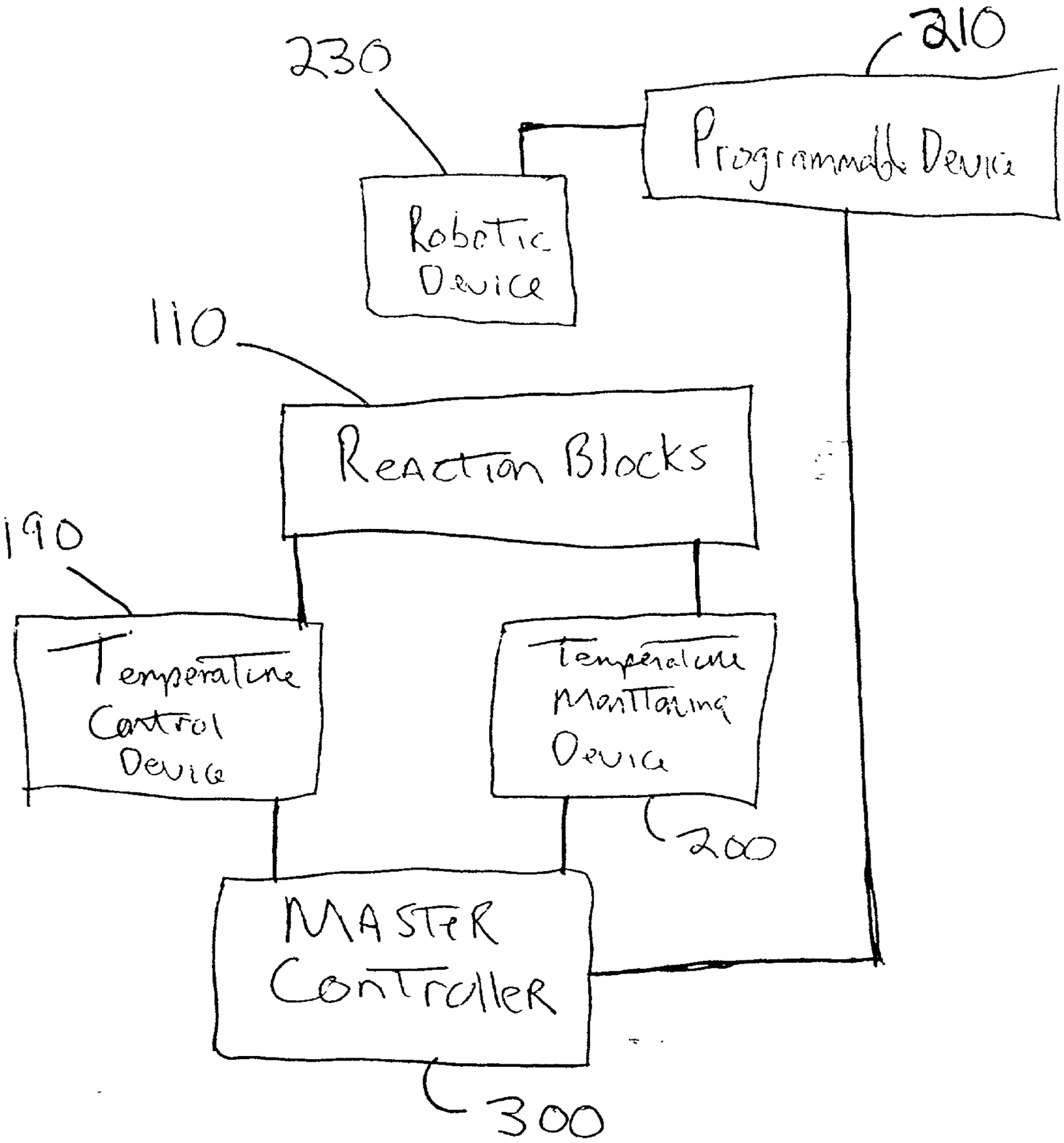

230
210
Programmable Device
Robotic Device
110
Reaction Blocks
190
Temperature Control Device
Temperature Monitoring Device
200
MASTER Controller
300

FIG. 2

SCANNED, #__1

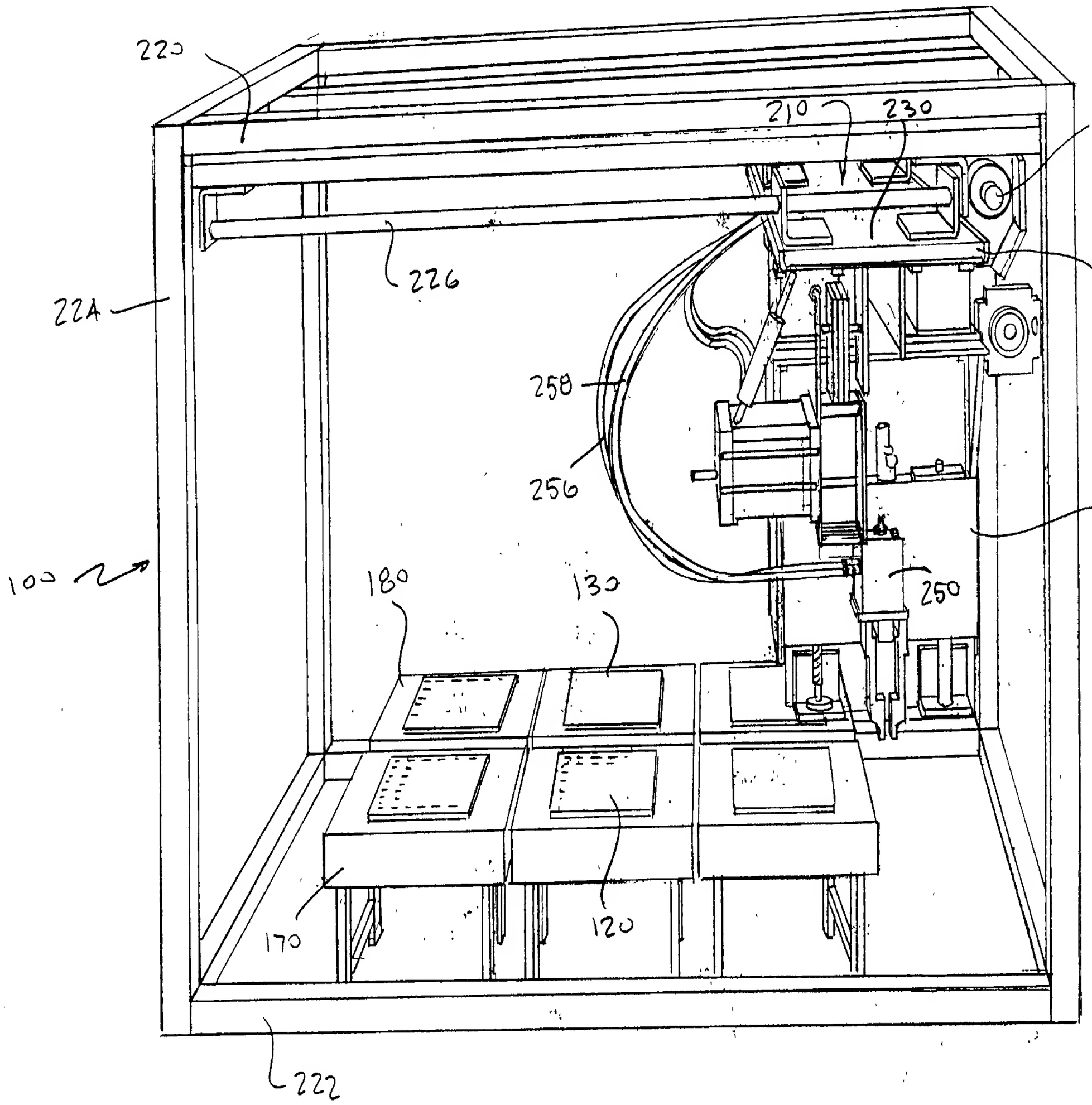


FIG 3

A650/0H805

FIG. 4

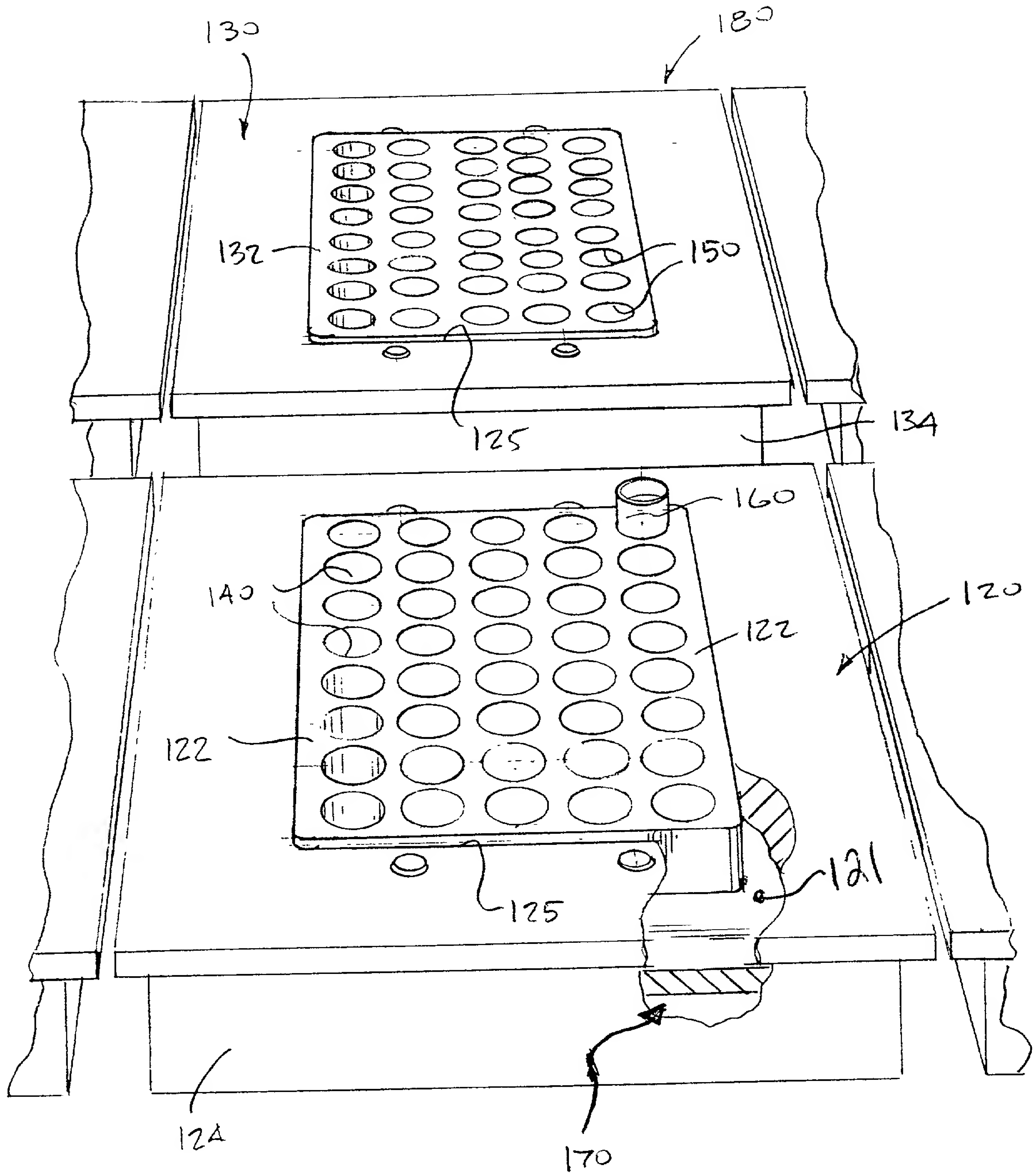
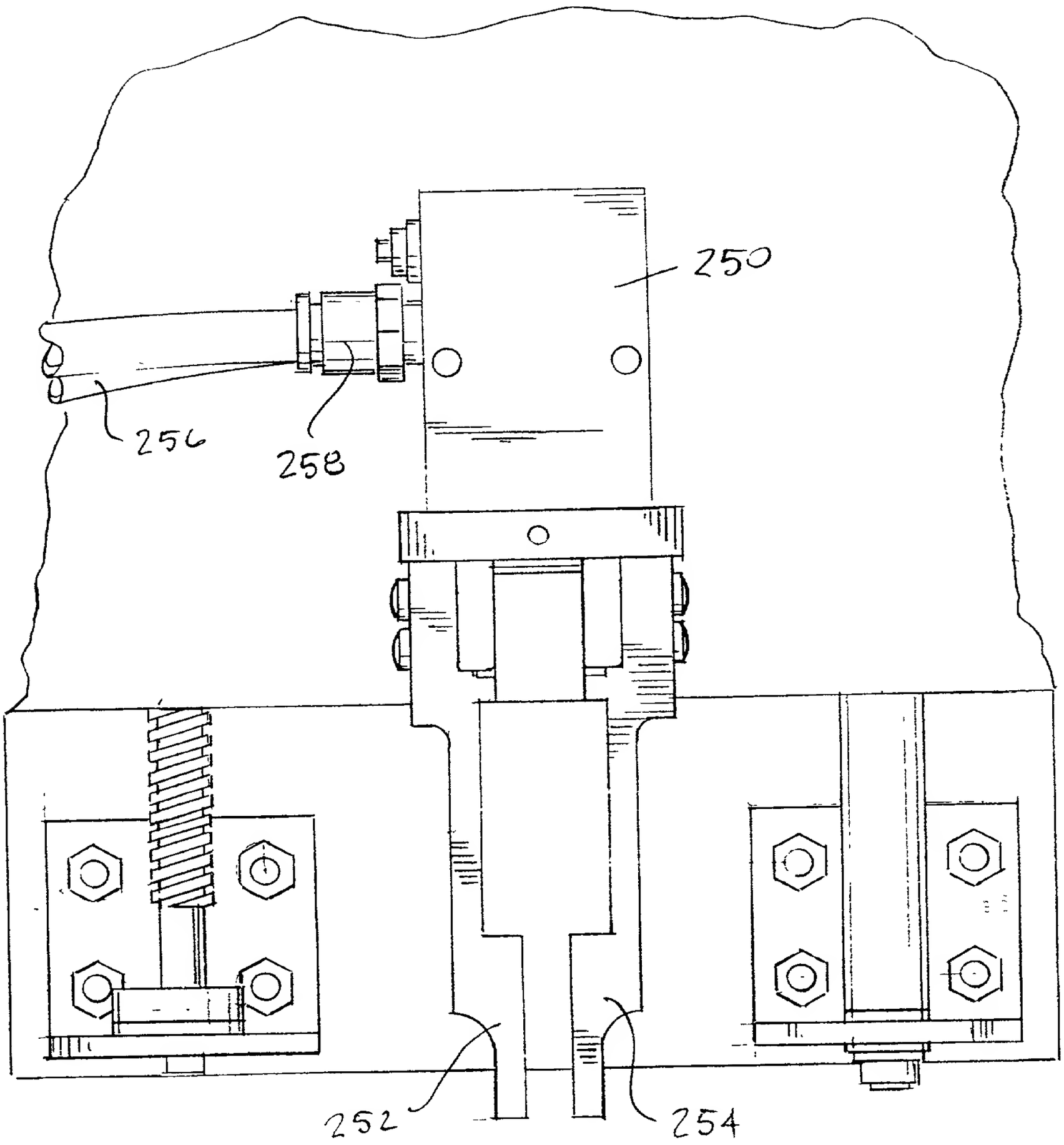


FIG 5



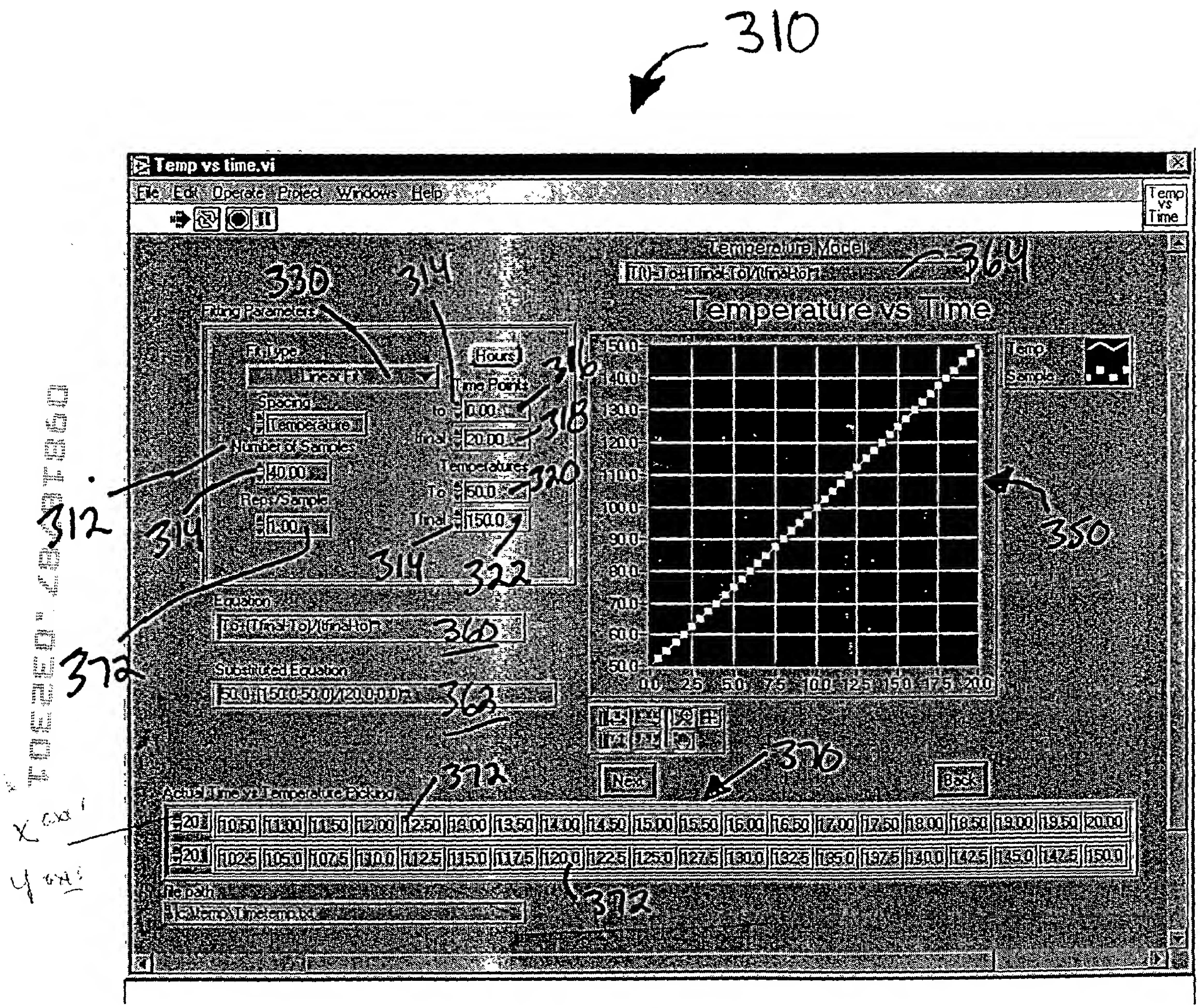

310
Temp vs time.vi
File Edit Operate Project Windows Help
Temp vs Time
Temperature Model
Temperature vs Time
Fitting Parameters
Fit Type
Linear Fit
Spacing
Temperature
Number of Samples
40.00
Reps/Sample
1.00
Hours
Time Points
to 0.00
tfinal 20.00
Temperatures
To 50.0
Tfinal 150.0
Equation
Substituted Equation
Temp
Sample
Next
Back
Actual Time vs Temperature Picking
file path
c:\temp\Timetemp.txt
330
314
316
318
320
322
312
372
360
362
364
350
370
x axis
y axis

FIG. 6

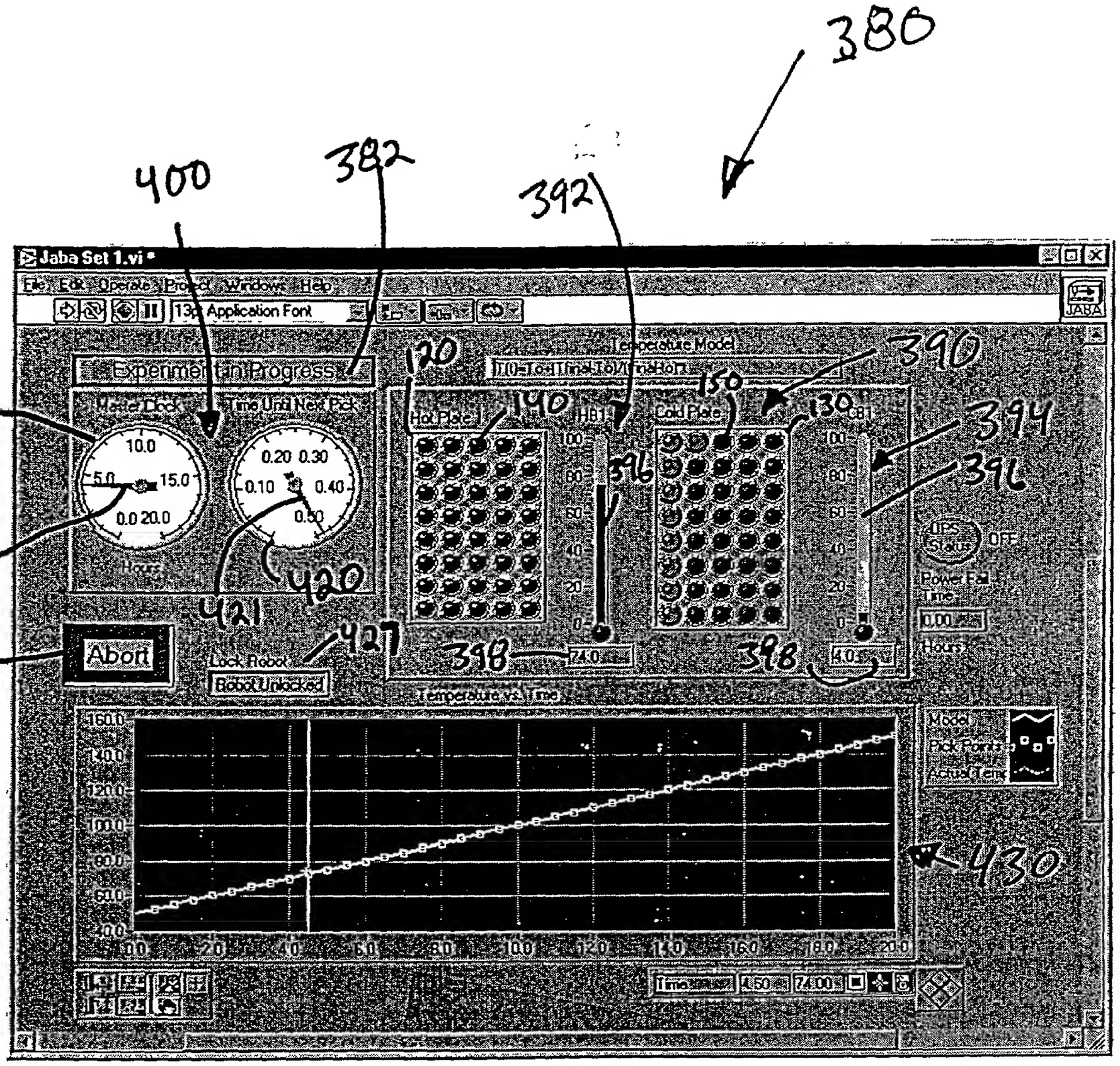

380
400
392
392
Jaba Set 1.vi
File Edit Operate Project Windows Help
13pt Application Font
JABA
Experimental Progress
Master Clock
Time Until Next Pick
Hours
Temperature Model
120
390
150
140
Hot Plate
Cold Plate
HB1
CB1
394
396
UPS Status
OFF
Power Fail Time
Hours
410
411
420
421
Abort
Lock Robot
Robot Unlocked
427
398
398
425
Temperature vs. Time
Model
Pick Points
Actual Temp
430

FIG. 7

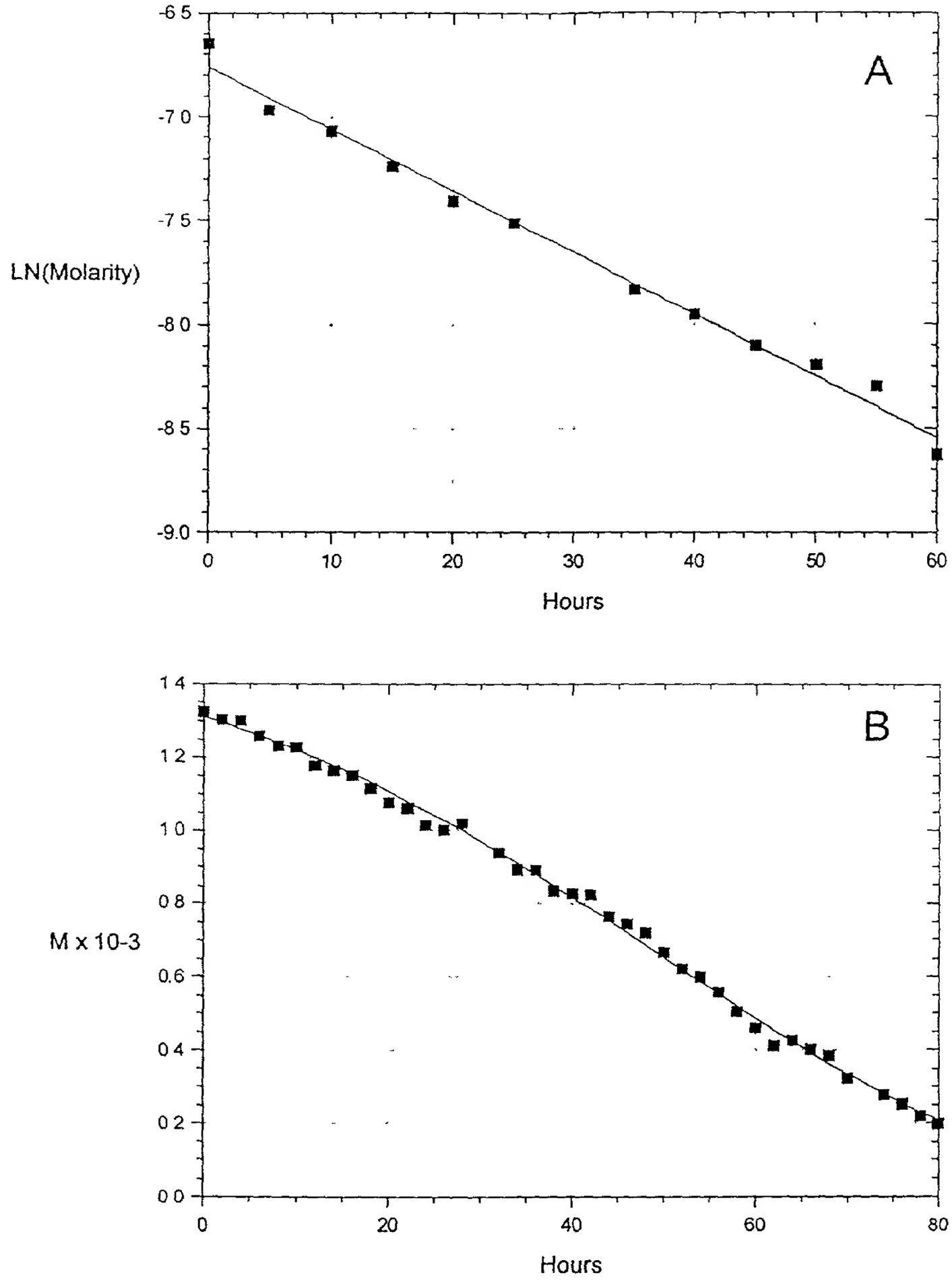


Figure 8 Data for pH 1.0 reactions: isothermal at 85 °C (A); nonisothermal, 50 to 100 °C over 80 hours, linear program (B).

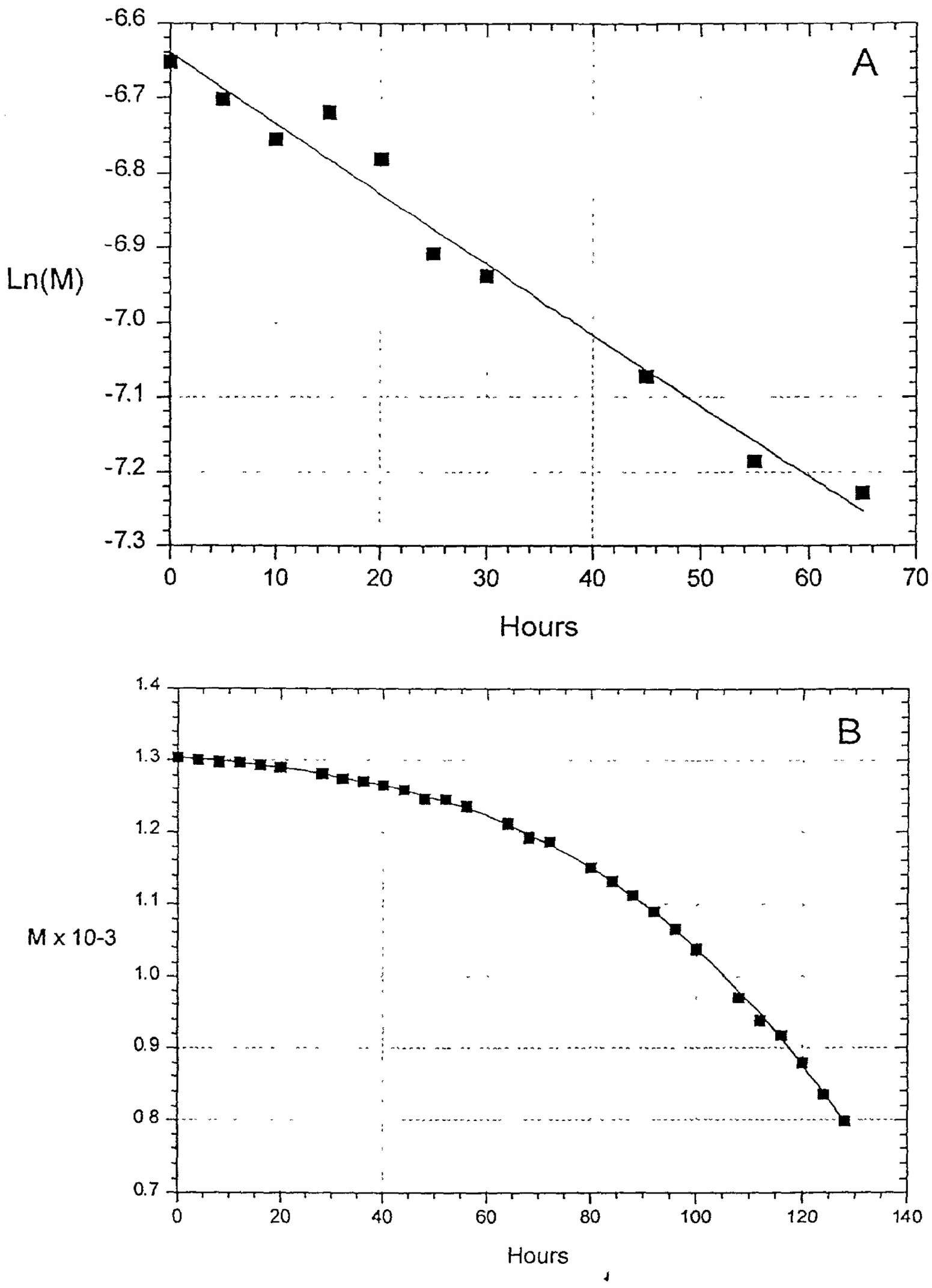
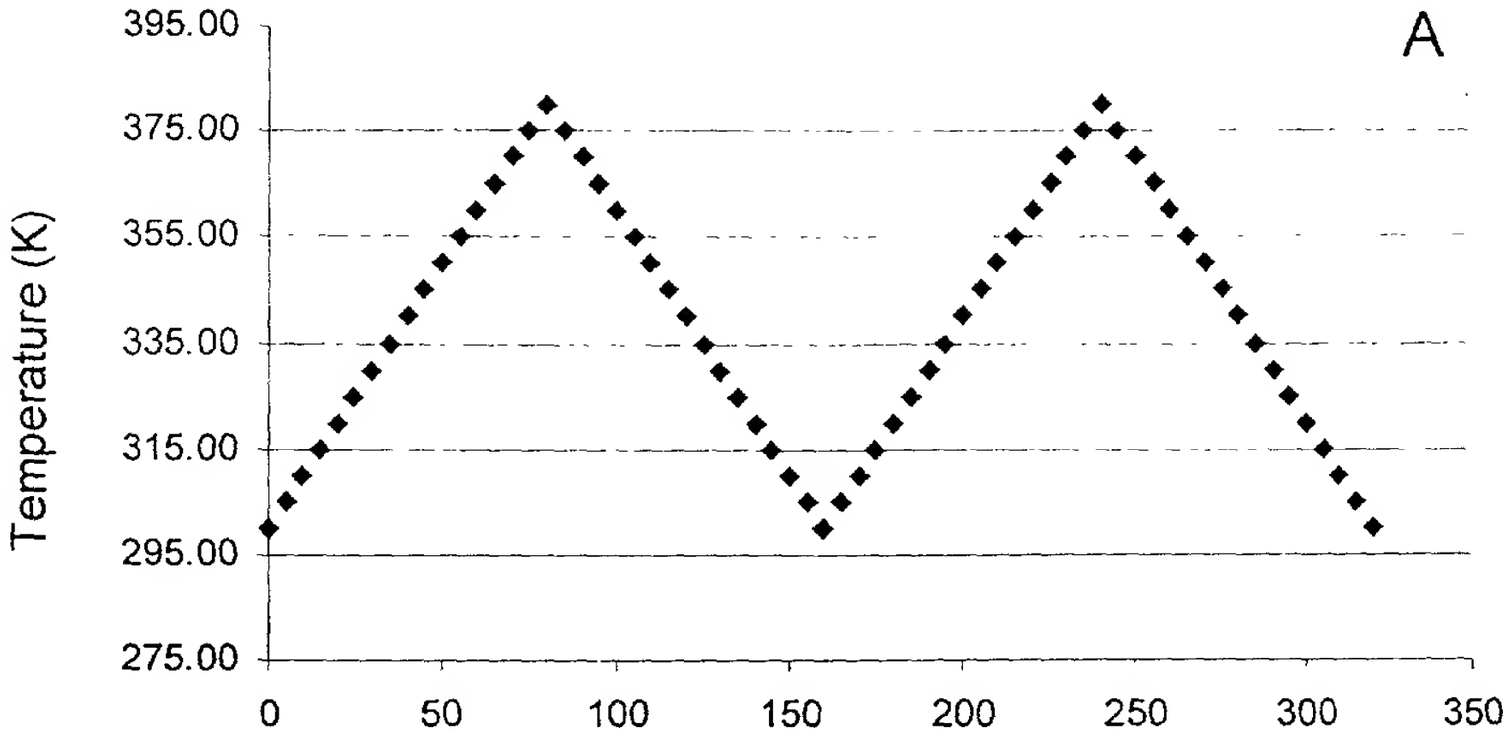


Figure 9 Data for pH 11.7 reactions: isothermal at 85 °C (A); nonisothermal, 50 to 100 °C over 160 hours, linear program (B).



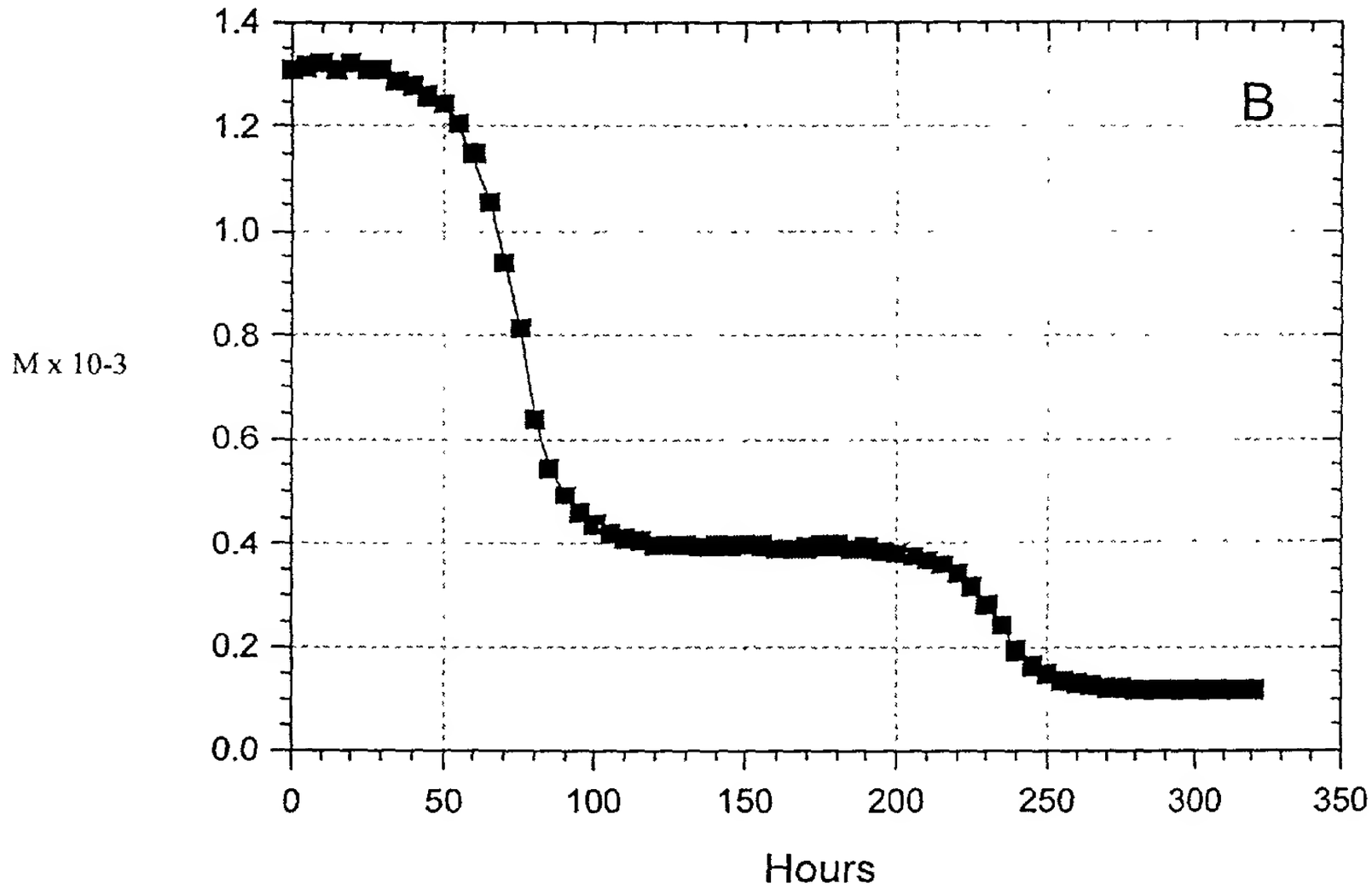


Figure 10 "UDUD" temperature program (A) and corresponding simulated nonisothermal data (B; $A=2.43 \times 10^{10}\ h^{-1}$ and $E=20.42$ Kcal/mole;